

PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038194	TWM001-VU	1	1	Net 30	M6061T6T0.375W.049	6061-T6 Round Tube .375 X .049W : MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft				20	11/7/2017	24		S006066	Stock	11/6/2017	\$ 2.50 / ft	0		\$60.00	TW Metals
		2			M6061T6T0.500W.035	6061-T6 Round Tube .500 X .035W : MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft				24		24		S006067	Stock	11/6/2017	\$ 1.75 / ft	0		\$42.00	TW Metals
		3			M6061T6T1.000W065	6061T6 Round Tube 1.00 X .065W : MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft						24		S006068	Stock	11/6/2017	\$ 2.96 / ft	0		\$71.04	TW Metals
										Total:	68	72									\$173.04

Plex 11/6/2017 10:11 AM Dart.Plouffe.Soni

Status: Receiving

Part: **M6061T6T0.375W.0**

Created: 11/6/17 10:10 AM DART.PLOUFFE.SONI



Serial No: **S006066**

Status: Receiving

Part: **M6061T6T0.500W.0**

Created: 11/6/17 10:10 AM DART.PLOUFFE.SONI



Serial No: **S006067**

Status: Receiving

Part: **M6061T6T1.000W0**

Created: 11/6/17 10:10 AM DART.PLOUFFE.SONI



Serial No: **S006068**



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

**PURCHASE ORDER
PO038194**

Supplier:	TWM001-VU TW Metals PO Box 933014 Atlanta, GA 31193-3014 USA Phone: 585 768 5600 Fax: 585 768 5601	PO No:	PO038194
		PO Date:	10/30/17
		Due Date:	11/7/17
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Phone:
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200		OCT 30 2017
		Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	

E-MAILED

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M6061T6T0.375W.049	DAS 9 9-89	6061-T6 Round Tube .375 X.049W : MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft		Firmed	11/7/17	20 ft	0 ft	20 ft	\$2.50/ft	\$50.00
2	M6061T6T0.500W.035	DAS 9 9-89	6061-T6 Round Tube .500 X.035W : MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft		Firmed	11/7/17	24 ft	0 ft	24 ft	\$1.75/ft	\$42.00
3	M6061T6T1.000W065	DAS 9 9-89	6061T6 Round Tube 1.00 X .065W : MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM		Firmed	11/7/17	24 ft	0 ft	24 ft	\$2.96/ft	\$71.04



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038194

Items												
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price	
			B241 receive ft									
												Grand Total: \$163.04

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/30/17 10:27 AM DART.LAVOIE.CHANTAL



O'Neal High-Performance Metals Group



Packing
Slip

ORDER NO.: 60643131 FROM: CRAN PAGE 1

CUST NUMBER: 1203820 NET WGT: 8.254 REQ. DATE: 11/07/17 CONFIRMED
 SOLD TO: SHIP TO:
 DART AEROSPACE LTD
 1270 ABERDEEN ST
 HAWKESBURY ON
 CANADA CN K6A 1K7
 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 11/01/17
 TERMS: NET 30 DAYS VIA: COMMON CARRIER
 F.O.B.: SHIPPING POINT FREIGHT: PREPAID
 CUST ORD NO.: PO038194 RELEASE NO.:
 RECEIVING PHONE:

LINE	ITEM DESCRIPTION	WIDTH	LENGTH
0001	41930 D6061-T6 3/8 OD X .049 WA		12 FT ML

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	24.000 FT	24.000 FT	24.000 FT	1.414	

** 1 TEST REPORTS REQUIRED *DAS
 ** 1 CERTS REQUIRED ** 9
 ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00
 PO:49366281 HT: F002369550001 PC: 2 CUSTOMER QTY: UOM
 MLT:UNITED STATES MFG:UNITED STATES SLB/CL:222777

0002 42196 D6061-T6 1/2 OD X .035 WA 12 FT ML

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	24.000 FT	24.000 FT	24.000 FT	1.440	

** 1 TEST REPORTS REQUIRED ** DAS
 ** 1 CERTS REQUIRED ** 9
 ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00
 PO:49370218 HT: E002430320001 PC: 2 CUSTOMER QTY: UOM
 MLT:UNITED STATES MFG:UNITED STATES SLB/CL:223325

0003 43284 D6061-T6 1 OD X .065 WA 12 FT ML

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	24.000 FT	24.000 FT	24.000 FT	5.400	

** 1 TEST REPORTS REQUIRED ** DAS
 ** 1 CERTS REQUIRED ** 9
 ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00
 PO:49374177 HT: F002480450001 PC: 2 CUSTOMER QTY: UOM
 MLT:UNITED STATES MFG:UNITED STATES SLB/CL:223915



O'Neal High-Performance Metals Group



Packing
Slip

ORDER NO.: 60643131 FROM: CRAN PAGE 2

CUST NUMBER: 1203820 NET WGT: 8.254 REQ. DATE: 11/07/17 CONFIRMED
SOLD TO: SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON
CANADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 11/01/17
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO038194 RELEASE NO.:
RECEIVING PHONE:

LINE	ITEM DESCRIPTION	WIDTH	LENGTH
	BROKERS KUEHNE AND NAGEL LTD		

AREA	TYPE OF PKG	PACK INFO					
		PKGS	GRS	WEIGHT	WIDTH	LENGTH	HGHT
NEW PEN CARTON	Orders In Package - 1	1.000		18.254	4.0000	150.0000	4
			Box No -	TWPK17008198			
		1.000		18.254			

BY: Thomas Burgess
RT 000-

UNLOAD TYPE: NONE SPECIFIED

Sept 11-16

DATE SHIPPED _____

1

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>



O'Neal High-Performance Metals Group



Packing
Slip

ORDER NO.: 60643131 FROM: CRAN PAGE 3

CUST NUMBER: 1203820	NET WGT:	8.254	REQ. DATE: 11/07/17	CONFIRMED
SOLD TO:		SHIP TO:		
DART AEROSPACE LTD		DART AEROSPACE LTD		
1270 ABERDEEN ST		1270 ABERDEEN ST		
HAWKESBURY ON		HAWKESBURY ON		
CANADA		ONTARIO CANADA		
CN K6A 1K7		CN K6A 1K7		
SALESPERSON:	DONNA SMALLEY	SHIP BY:	11/01/17	
TERMS:	NET 30 DAYS	27 ENGLEHARD DRIVE		
F.O.B.:	SHIPPING POINT	MONROE TWP	NJ 08831	
CUST ORD NO.:	PO038194			
VIA:	COMMON CARRIER			
FREIGHT:	PREPAID			
RELEASE NO.:				
RECEIVING PHONE:				

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk

Jessica Mannheim

Date: 10/30/17

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

KAISER

ALUMINUM

FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:				
M49366281-1		41930		Drawn Seamless Tube/Pipe				
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:			
222777	001	04/03/2017	F00236955	6061	T6			
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:			
390.000 LB	553.000 PCS	224823			12.000 FT			
SHIP TO:			SOLD TO:					
TW METALS INC 235 WEST TUBEWAY DRIVE CAROL STREAM, IL 60188 USA			TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA					

Actual Physical Properties

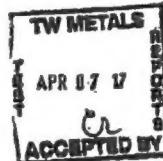
REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00236955	0001	1	47.0	40.0	17.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D76510	.62	.23	.23	.05	.99	.07	.07	.02	.00	.00	.00	.01	.02

Applicable Requirements:

Description: OD: 0.3750"; Wall: 0.0490"; Round @
AMS4082P AMS-WW-T-700/6C ASTM B210-12
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS4082P, WAS NOT OILED.
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.



Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
(DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
TRADE AGREEMENTS).

Plant Serial: 00024593
Kaiser Order Number: 222777
Line Item: 001

KAISER

ALUMINUM

FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

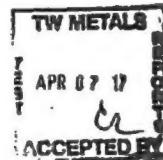
CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Hans Kattentidt, Quality Manager



KAISER

ALUMINUM

FABRICATED PRODUCTS

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
M49370218-1		42196		Drawn Seamless Tube/Pipe			
KAISER ORDER NUMBER:	LINE ITEM:		SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:	
223325	001		06/20/2017	F00243032	6061	T6	
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:	
404.000 LB	564.000 PCS		225785			12.000 FT	
SHIP TO:		SOLD TO:					
TW METALS INC 27 ENGLEHARD DRIVE EXIT 8A OFF NJ TPK MONROE TWP, NJ 08831 USA		TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA					

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00243032	0001	9	1	45.7	39.3	17.0	N/A	N/A
F00243032	0002	9-00	1	46.2	39.7	17.5	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D20294	.60	.27	.23	.05	.97	.08	.04	.02	.00	.00	.00	.01	.02

Applicable Requirements:

Description: OD: 0.5000"; Wall: 0.0350"; Round @
AMS4082P AMS-WW-T-700/6C ~~ASTM B210-12~~ WW-T-700/6F
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS4082P, WAS NOT OILED.
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.



Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
(DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
TRADE AGREEMENTS).

Plant Serial: 00025329

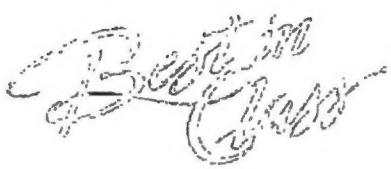
Kaiser Order Number: 223325

Line Item: 001

KAISER

ALUMINUM

FABRICATED PRODUCTS



CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Hans Kattentidt, Quality Manager



*Bell in
Glass*

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 6573 W. WILLIS ROAD
 CHANDLER, AZ 85226

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:						
M49374177-1		43284		Drawn Seamless Tube/Pipe						
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:					
223915	001	08/21/2017	F00248045	6061	T6					
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:					
579.000 LB	215.000 PCS	226496			12.000 FT					
SHIP TO:		SOLD TO:								
TW METALS INC 27 ENGLEHARD DRIVE EXIT 8A OFF NJ TPK MONROE TWP, NJ 08831 USA		TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA								

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00248045	0001	1	48.9	44.8	15.5	N/A	N/A	N/A
F00248045	0002	1	49.7	45.4	17.5	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D20420	.58	.28	.22	.04	.99	.09	.07	.03	.00	.00	.00	.01	.02

Applicable Requirements:

Description: OD: 1.0000"; Wall: 0.0650"; Round ^{DAS}
 AMS4082P ~~AMS-WW-T-700/6C~~ ^{ASTM B210-12} ~~WW-T-700/6F~~ ⁹
 WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS4082P, WAS NOT OILED.
 This Product Complies to FAR BAA, DFARS BAA, FAR TAA
 COMPLIES TO DIN EN 10204 JAN 2005
 No Weld Repair. Mercury Free.



Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
 MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
 (DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
 TRADE AGREEMENTS).

Plant Serial: 00025909
 Kaiser Order Number: 223915
 Line Item: 001

KAISER ALUMINUM FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

*Bettina
Kattentidt*

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Hans Kattentidt, Quality Manager



Plant Serial: 00025909
Kaiser Order Number: 223915
Line Item: 001

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H6061T60.315W.049
 DATE: 17.11.15

PO / BATCH NO.: 038194 / S006246

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .049"
 THICKNESS RECEIVED: .049"
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<u>ASTM B210-12</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<u>F002369550001</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>QAS</u> <u>9</u> <u>8:00</u>	SIGNED OFF BY: _____
DATE: <u>17.11.15</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

.375 W.049

PURCHASE MATERIAL: 6061-T6/T62/T651/T6511 SEAMLESS TUBING

SPECIFICATION:

WW-T-7006

OR QQ-A-2006 OR QQ-A-2256

OR AMS 4080

OR AMS 4082

OR AMS 4083

OR ASTM B241

△/C

PART NUMBER:

M6061T6TP.OD0.049WT.0.059

△/C

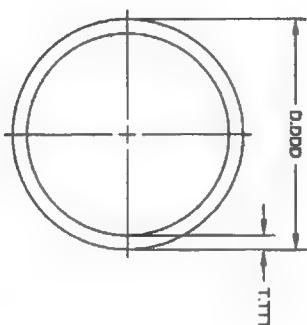
WHERE "D" & "OD" = OD IN INCHES

"T" = WALL THICKNESS

EG. 36" OD X 0.059 WALL = M6061T6TP.375W0.059

MATERIAL TOLERANCE:

PER ANSI H36.2 △/C



C	COMPLETE REFORMAT, ADDED T6510 & T6511. ADDED AMS 4083, ASTM B241 & B241			AJS	13.06.12
B	ADD QQ-A-2006 & QQ-A-2256			CP	04.01.23
A	NEW ISSUE			DS	01.06.21
REV.	DESCRIPTION	BY	DATE		
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	AJS				
CHECKED	✓	DRAWING NO.	REV. C		
MFG. APPR.	✓	M6061T6T	SHEET 1 OF 1		
APPROVED	✓	TITLE	SCALE		
DE APPR.	✓	6061-T6 TUBING	NTS		
DATE	13.06.12	Copyright © 2001 by DART Aerospace Ltd.	PRINTED ON 06/13/2001		

RELEASED
2013-07-02
JW

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: МНОВЫТЬЯ.500W.035
 DATE: 17.11.15

PO / BATCH NO.: 038194/5006067

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .035"
 THICKNESS RECEIVED: .035"
 SHEET SIZE ORDERED: 101A
 SHEET SIZE RECEIVED: 101A

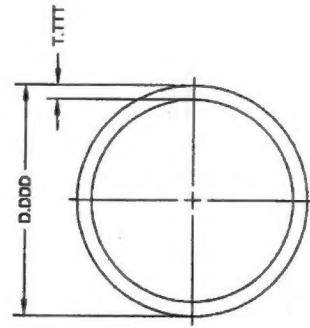
DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>ASTM-B210-12</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>F00243032 0001</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AS</u> <u>g</u>	SIGNED OFF BY: _____
DATE: <u>17.11.15</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



500W.035

△
PURCHASE MATERIAL: M8061-T6/T62/T65/T6511 SEAMLESS TUBING

SPECIFICATION: WW-T-7006

OR QQ-A-2008 OR QQ-A-2258
OR AMS 4080 OR AMS 4082 OR AMS 4083
OR ASTM B210 OR ASTM B241

△
C

D45
9
S80

OD | WALL
M8061T6T[D,DD0]W[T,TTT]

WHERE "D,DD0" = OD IN INCHES
"T,TTT" = WALL THICKNESS
EG. 3/8" OD X 0.058 WALL = M8061T6T0.375W0.058

△
C
PER ANSI H35.2

MATERIAL TOLERANCE:

RELEASED
2013-07-02
W

COMPLETE REFORMAT ADDED T8510 & T8511.		AJS	13.06.12
C	ADDED AMS 4083, ASTM B210 & ASTM B241 ADDED MATERIAL TOLERANCE		
B	ADD QQ-A-2008 & QQ-A-2258	CP	04.01.23
A	NEW ISSUE	DS	01.06.21
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	✓	REV. C	
MF.G. APPR.	✓	DRAWING NO.	
APPROVED	✓	M6061T6T	
DE APPR.	✓	SHEET 1 OF 1	
TITLE		SCALE	
DATE	13.06.12	NTS	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6T 1.000W.065
 DATE: 17.11.15

PO / BATCH NO.: 085194 / 5006068

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .065"
 THICKNESS RECEIVED: .065"
 SHEET SIZE ORDERED: 11A
 SHEET SIZE RECEIVED: 11A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM B20.1
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	500244045001
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

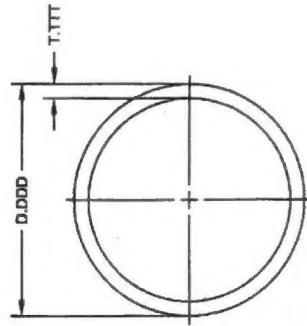
CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>g</u>	SIGNED OFF BY: _____
DATE: <u>17.11.15</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

1.000W.065



C

PURCHASE MATERIAL: 6061-T6/T6510/T6511 SEAMLESS TUBING

SPECIFICATION: WW-T-7008
OR QQ-A-2008 OR QQ-A-2258
OR AMS-4088-QR AMS 4082 OR AMS 4083
OR ASTM B210 OR ASTM B241PART NUMBER: M6061161[D.000D][W1:T.1111]
OD | WALL

WHERE "D.000D" = OD IN INCHES

"T.1111" = WALL THICKNESS

EG. 3/8" OD X 0.058 WALL = M6061161T03.375W0.058

MATERIAL TOLERANCE:
PER ANSI H35.2 C

D

C

B

A

RELEASED
2013-07-02
JW

REV.		DESCRIPTION	BY	DATE
C		COMPLETE REFORMAT. ADDED TBS10 & TBS11.	AJS	13.08.12
		ADDED AMS 4083, ASTM B210 & ASTM B241		
B		ADDED MATERIAL TOLERANCE	CP	04.01.23
A		ADD QQ-A-2008 & QQ-A-2258	DS	01.08.21
		NEW ISSUE		

DESIGN	AJS	AJS	DART AEROSPACE LTD
DRAWN	AJS	AJS	HAWKESBURY, ONTARIO, CANADA
CHECKED			REV. C
MFG. APPR.			SHEET 1 OF 1
APPROVED			SCALE
DE APPR.			NTS

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